

Claims:

1. A substantially gel-free compound comprising:
 - a. at least one elastomeric polymer without any conjugated aliphatic diene
5 in its composition having an average molecular weight M_n of more than 20,000 g/mol comprising repeating units derived from at least one C_4 to C_7 isomonoolefin monomer, at least one multiolefin cross-linking agent and at least one chain transfer agent, said polymer containing less than 15 wt.% of solid matter insoluble in boiling cyclohexane under reflux
10 for 60 min,
 - b. at least one filler and
 - c. optionally at least one diluent.
2. The compound of claim 1, wherein at least one of said elastomeric polymers
15 comprising repeating units derived from at least one C_4 to C_7 isomonoolefin monomer, at least one multiolefin cross-linking agent and at least one chain transfer agent, said polymer containing less than 15 wt.% of solid matter insoluble in boiling cyclohexane under reflux for 60 min, is partially vulcanized.
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3. The compound of any of the claims 1-2, wherein the compound further comprises a diluent.
4. A self-supporting shaped article comprising a substantially gel-free compound
25 comprising:
 - a. at least one elastomeric polymer without any conjugated aliphatic diene
in its composition having an average molecular weight M_n of more than 20,000 g/mol comprising repeating units derived from at least one C_4 to C_7 isomonoolefin monomer, at least one multiolefin cross-linking agent
30 and at least one chain transfer agent, said polymer containing less than 15 wt.% of solid matter insoluble in boiling cyclohexane under reflux for 60 min,
 - b. at least one filler.

5. An article according to claim 4, wherein the C₄ to C₇ isomonoolefin monomer(s) are selected from the group consisting of isobutylene, 2-methyl-1-butene, 3-methyl-1-butene, 2-methyl-2-butene, 4-methyl-1-pentene and mixtures thereof.
6. An article according to any of claims 4-5, wherein the article further comprises at least one supporting means on which the compound is layered.
7. A tape comprising the compound of any of the claims 1-3 and optionally one or more supporting means.
8. A sealant or adhesive composition comprising the compound of any of the claims 1-3.

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